

S/N: 10/748,306

Attorney Docket #: P18462

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CENTRAL FAX CENTER****MAR 26 2009****IN THE CLAIMS**

Please amend the claims as follows:

1. (Currently amended) A method comprising:
 sending a request to sendtransmit with attached N_T and N_R training symbols,
 where N_T is the number of antennas ~~or communication chains~~ for transmission
 and N_R is the number of antennas ~~or communication chains~~ for reception; and
 receiving training symbols attached to a clear to sendtransmit response; and
 transmitting packets sequentially from a first and then a second antenna.

Claims 2 - 4 (Canceled).

5. (Currently amended) A method according to claim 14, wherein a transmit antenna is selected as the one providing a best performance metric at a receiver when compared against other transmit antenna options.

6. (Original) A method according to claim 5, wherein the performance metric is a signal to noise ratio (SNR).

7. (Currently amended) A method according to claim 5, wherein the included one or more training symbols are transmitted via a select subset of a plurality of transmit antenna(e).

8. (Currently amended) A method according to claim 7, wherein the select subset of transmit antenna include at least a subset of remaining antenna(e) that were not used for transmission of the ~~the~~ handshaking packet.

Claims 9 and 10 (Canceled).

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11. (Previously presented) A method according to claim 1, further comprising:
transmitting the packet to a remote device as a training symbol via a select first of a plurality of antenna(e); and
transmitting the included training symbols to the remote device via a select second or more of the plurality of antenna(e) to enable the remote device to perform training.
12. (Original) A method according to claim 11, further comprising:
receiving at least a packet from the remote device, wherein the packet is used as a training symbol; and
performing calibration of one or more transmit chains based, at least in part, on channel performance information associated with the received training symbol(s).

Claims 13 - 36 (Canceled).

37. (Currently amended) An apparatus comprising:
a storage medium in which to store at least executable content; and
control logic, coupled to the storage medium, to send a request to send/transmit with attached N_T and N_R training symbols, where N_T is the number of antennas ~~or communication chains~~ for transmission and N_R is the number of antennas ~~or communication chains~~ for reception, ~~and receiving~~ training symbols attached to a clear to send/transmit response, and transmitting packets sequentially from a first and then a second antenna.

Claims 38 and 39 (Canceled).

40. (Currently amended) An apparatus according to claim ~~37~~9, wherein the control logic selectively executes content to select the first antenna from the plurality of antenna(e) based, at least in part, on a received or perceived indication of channel performance at ~~the~~ remote device.

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41. (Previously presented) An apparatus according to claim 37, further comprising:

a receiver, coupled with the control logic, to receive at least a packet from a remote device, wherein the packet is used as a training symbol, and to enable the control logic to perform calibration of one or more transmit chains based, at least in part, on channel performance information associated with the received training symbol(s).

42. (New) A computer readable medium having computer executable instructions for implementing the method of claim 1.

43. (New) A method comprising:

sending a request to send with attached N_T and N_R training symbols, where N_T is the number of transmit chains for transmission and N_R is the number of receive chains for reception;

receiving training symbols attached to a clear to send response; and
transmitting packets sequentially from a first and then a second transmit chain.

44. (New) A method according to claim 43, wherein a transmit chain is selected as the one providing a best performance metric at a receiver when compared against other transmit chain options.

45. (New) A method according to claim 44, wherein the performance metric is a signal to noise ratio (SNR).

46. (New) A method according to claim 44, wherein the included one or more training symbols are transmitted via a select subset of a plurality of transmit chains.

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47. (New) A method according to claim 46, wherein the select subset of transmit chains include at least a subset of remaining transmit chains that were not used for transmission of a handshaking packet.